

Title (en)
TURBOCHARGING SYSTEM FOR INTERNAL COMBUSTION ENGINE

Title (de)
TURBOLADERSYSTEM FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
SYSTÈME DE TURBOCOMPRESSEUR POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 2487347 A4 20130828 (EN)

Application
EP 09850226 A 20091006

Priority
JP 2009067419 W 20091006

Abstract (en)
[origin: EP2487347A1] A supercharging system for an internal combustion engine comprising a turbocharger (10) including a compressor (10a) and a turbine (10b), and a pressure wave supercharger (20) performing supercharging of the internal combustion engine (1) by increasing a pressure of gas led into each of cells (23) from an intake gas inlet port (24) using a pressure wave of exhaust gas led into the cell (23) from an exhaust gas inlet port (28a) and discharging from an intake gas outlet port (25) to an intake passage (3) the gas pressurized, wherein a case (21) of the pressure wave supercharger (20) is connected to the intake passage (3) upstream of the compressor (10a) via the intake gas inlet port (24), and is connected to the intake passage (3) downstream of the compressor (10a) via the intake outlet port (25), and is connected to an exhaust passage (4) downstream of the turbine (10b) via the exhaust inlet port (28a) and an exhaust gas outlet port (28b).

IPC 8 full level
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CPC (source: EP US)
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Y02T 10/12 (2013.01 - EP US)

Citation (search report)
• [XY] FR 2875849 A1 20060331 - RENAULT SAS [FR]
• [Y] JP H0419327 A 19920123 - HINO MOTORS LTD
• See references of WO 2011042954A1

Designated contracting state (EPC)
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